

Work Order ID 139650

Thursday, February 04, 2016 2:00:54 PM

139650

Page 1

Item ID: D3215-043 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: Harness Assembly
 Start Date: 11/30/2015 Start Qty: 3.00 *3* Cust Item ID:
 Required Date: 11/30/2015 Req'd Qty: 3.00 *3* Customer:

Reference: DAS
 Approvals: Process Plan: 13 Date: FEB 04 2016 Tooling: Date: Run Start *NR1*
 QC: 9-89 SPC (Y/N): Date: Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3215	Rev D								
100	PURCHASING	0.00				3		FEB 04 2016	DAS 13 9-89
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: 31264 to Tulmar Safety Systems D3215-043 as per Dwg D3215 Ship to Tulmar Certificate of Conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure certificate of conformity is attached								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control									

3x SP16-0218

③ 16-02-19 DAS
9
9-89

Work Order ID 139650***139650***

Page 2

Thursday, February 04, 2016 2:00:54 PM

Item ID: D3215-043 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Harness Assembly
Start Date: 11/30/2015 Start Qty: 3.00 ***3*** Cust Item ID:
Required Date: 11/30/2015 Req'd Qty: 3.00 ***3*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00							DAS 6
130									9-89
Packaging	Memo	0.00				FEB 19 2016			
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.01							
Quality Control									

MCS FEB 19 2016

MCS FEB 19 2016

Thursday, February 04, 2016 2:00:52 PM

139650

D3215-043

Required Date: 11/30/2015

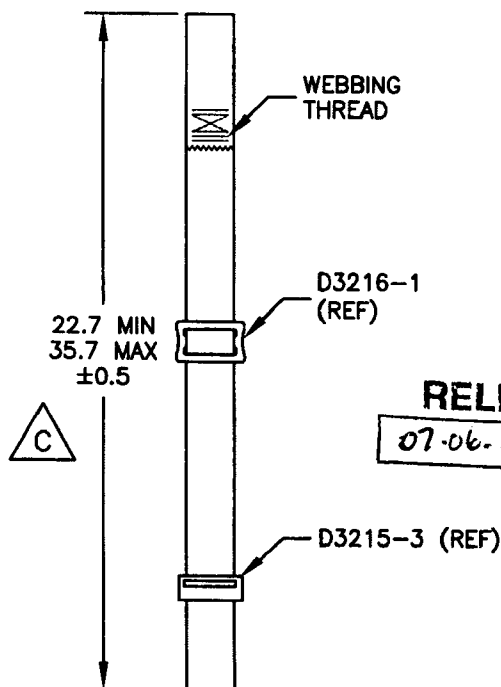
Required Qty: 3.00

Comments: IPP A03.10.28New IssueKJ/RF
IPP B 07.06.12 ecn 940 EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3215-043P		Purchased	No			110	Each	0.0000	1	3			
D3215-043P													
Harness Assembly													
D3215-3		Manufactured	No			100	Each	6.0000	2				
D3215-3													
Webbing Tidy													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST026		6							
				139450		6							
D3216-1		Manufactured	No			100	Each	9.0000	2				
D3216-1													
Fitting													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST026		9							
				139492		9							
D3216-3		Manufactured	No			100	Each	25.0000	1				
D3216-3													
Fitting													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST026		25							
				122992		25							



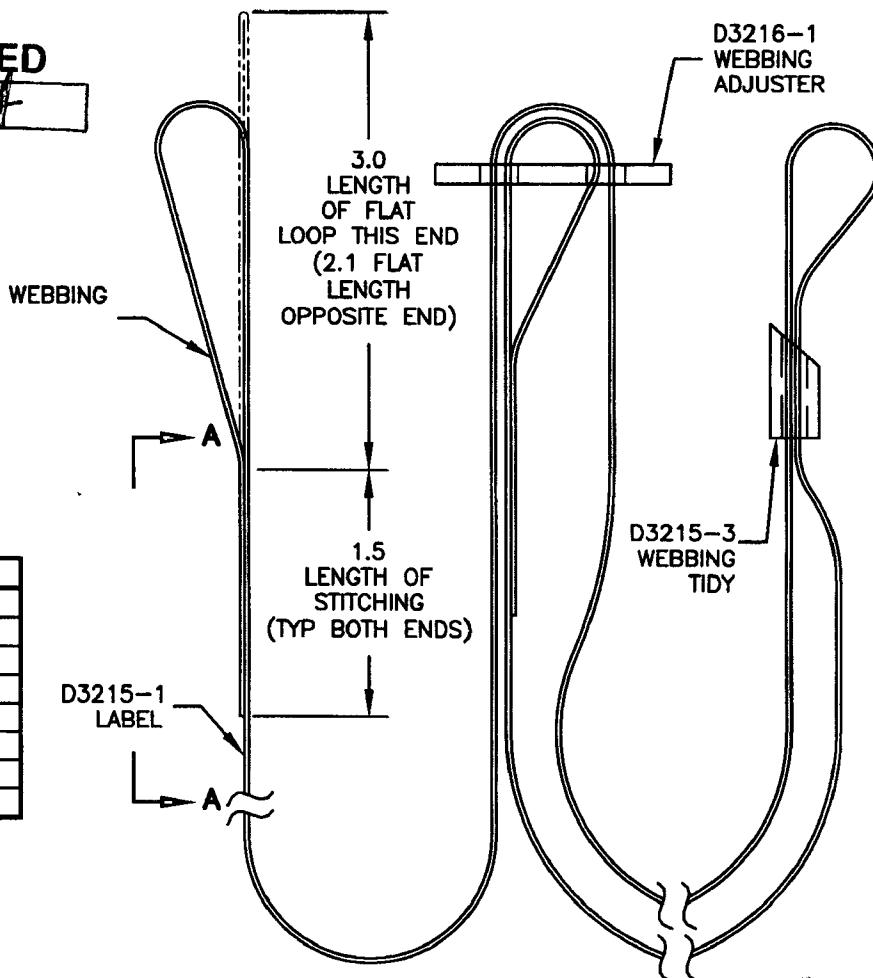
DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>LE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 1 OF 3
DATE 07.03.27	TITLE BELT ASSEMBLY		SCALE NTS
A	03.09.19	NEW ISSUE	
B	04.01.12	AS MANUFACTURED; ADD TOLERANCE	
C	04.03.05	REDUCE LENGTH; CLARIFY STITCHING	
D	07.03.27	ADD WEBBING SUPPLIER; ADD LABEL THREAD AND MATERIAL; IN VIEW A-A, 1.4 WAS 1.8; ADD -3A AND -3B; UPDATE TOLERANCES	



ASSEMBLY DETAIL
NOT TO SCALE

PARTS LIST:

QTY	P/N	DESCRIPTION
X	D3215-041	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
1	D3215-3	WEBBING TIDY
1	D3216-1	WEBBING ADJUSTER



D3215-041 BELT ASSEMBLY:

- MATERIAL: WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 5700 lb MIN
OR BELT TECH CANADA INC. 27039, 1.8 WIDE x 0.05 THICK BLACK POLYESTER WEBBING, CERTIFIED TO FAR 29.853A3, TENSILE STRENGTH 6000 lb MIN

WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3, BLACK NYLON THREAD
LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F, BLACK NYLON THREAD

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- SEE SHEET 3 FOR VIEW A-A



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
139-659
15-2-03

Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>#</i>	DRAWING NO. D3215	REV. D SHEET 2 OF 3
DATE 07.03.27		TITLE BELT ASSEMBLY	SCALE NTS

D3215-043 BELT ASSEMBLY:

1) MATERIAL:

WEBBING = LAGRAN CANADA INC. 26472, 1.8 WIDE
x 0.05 THICK BLACK POLYESTER WEBBING,
CERTIFIED TO FAR 29.853A3, TENSILE
STRENGTH 5700 lb MIN

OR BELT TECH CANADA INC. 27039, 1.8 WIDE
x 0.05 THICK BLACK POLYESTER WEBBING,
CERTIFIED TO FAR 29.853A3, TENSILE
STRENGTH 6000 lb MIN



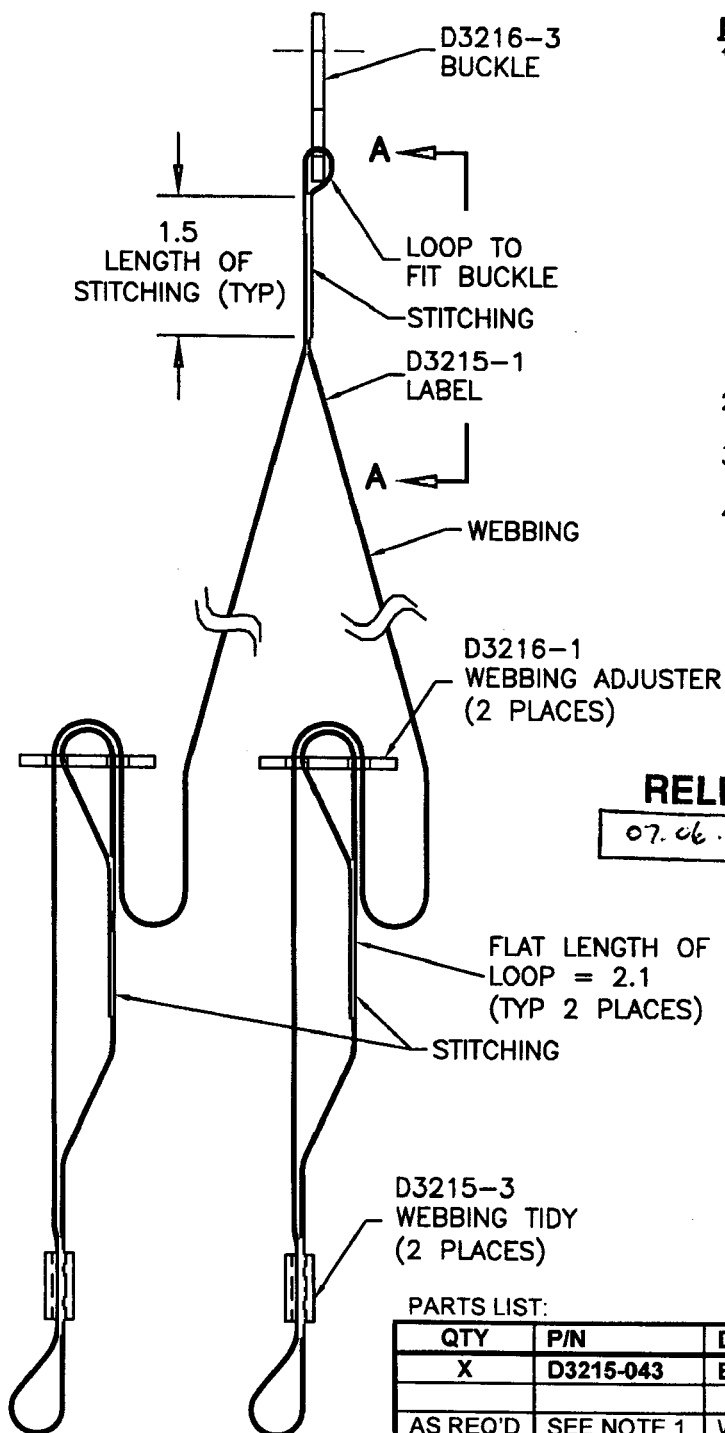
WEBBING THREAD = V-T-295 TYPE II CLASS A SIZE 3,
BLACK NYLON THREAD

LABEL THREAD = V-T-295 TYPE II CLASS A SIZE F,
BLACK NYLON THREAD

2) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE
NOTED.

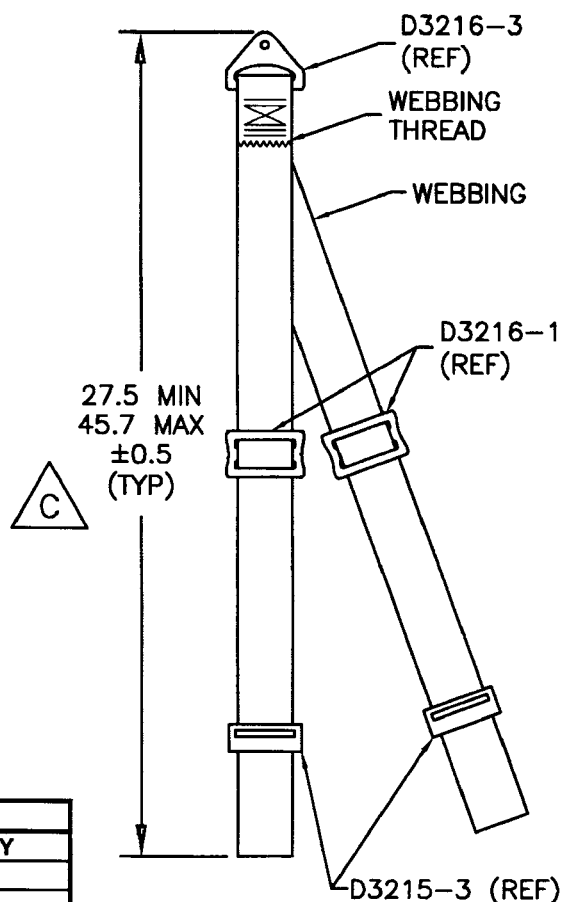
3) TOLERANCES ARE PER DART QSI 018 UNLESS
OTHERWISE NOTED.

4) SEE SHEET 3 FOR VIEW A-A



RELEASED

07.06.07



ASSEMBLY DETAIL
NOT TO SCALE

PARTS LIST:

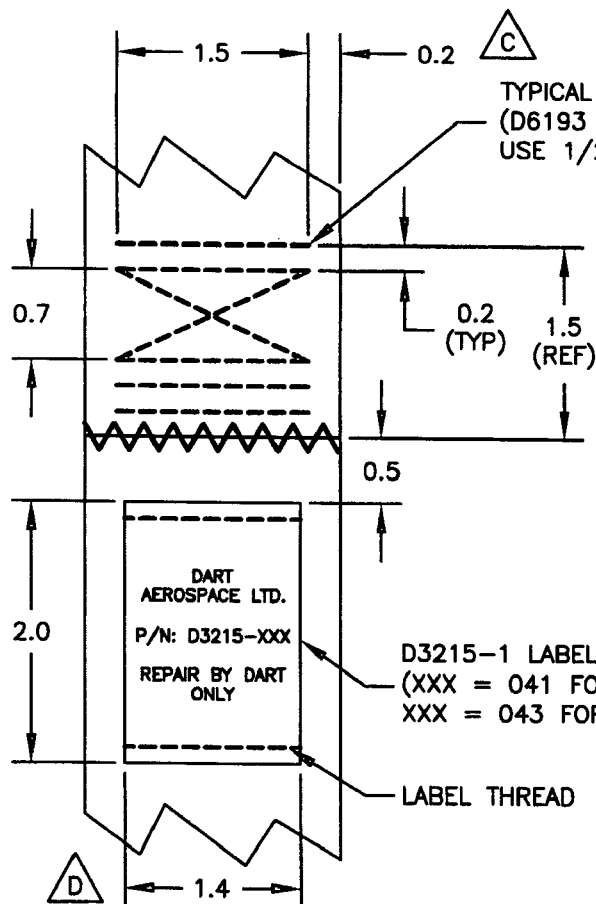
QTY	P/N	DESCRIPTION
X	D3215-043	BELT ASSEMBLY
AS REQ'D	SEE NOTE 1	WEBBING
AS REQ'D	SEE NOTE 1	WEBBING THREAD
AS REQ'D	SEE NOTE 1	LABEL THREAD
1	D3215-1	LABEL
2	D3215-3	WEBBING TIDY
2	D3216-1	WEBBING ADJUSTER

Copyright © 2003 by DART AEROSPACE LTD

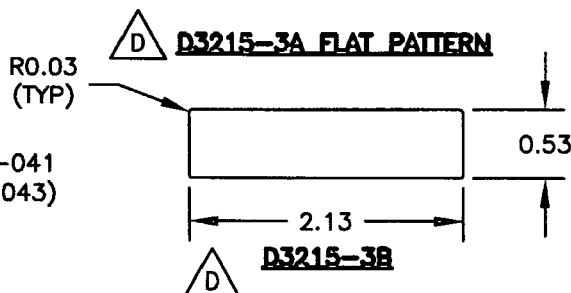
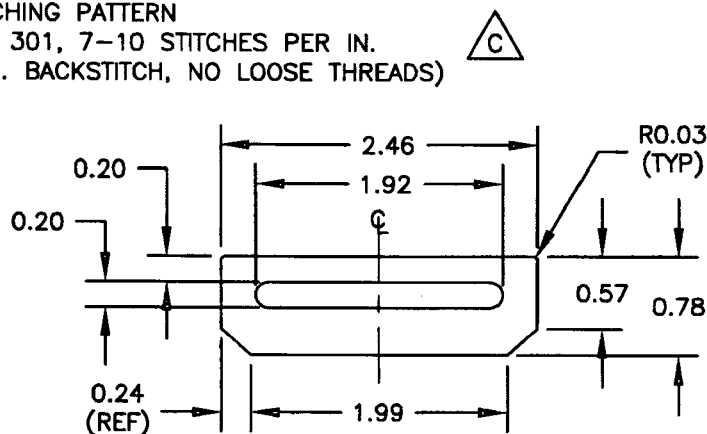
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



DESIGN <i>GP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>LE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3215	REV. D SHEET 3 OF 3
DATE 07.03.27	TITLE HARNESS ASSEMBLY		SCALE 3:2



VIEW A-A



D3215-3A/-3B NOTES:

- 1) MATERIAL: 5052-H32 ALUMINUM SHEET, 0.040 THICK PER QQ-A-250/8 OR AMS 4016 (REF DART SPEC. M5052H32S.040)
- 2) BEND D3215-3A PER D3215-3

D3215-1 LABEL:

- 1) MATERIAL: WHITE TYVEK OR WHITE POLYESTER WHICH MEETS FMVSS 302
- 2) USE 1/8 BLACK LETTERING
- 3) CENTER ON BELT WIDTH

RELEASED

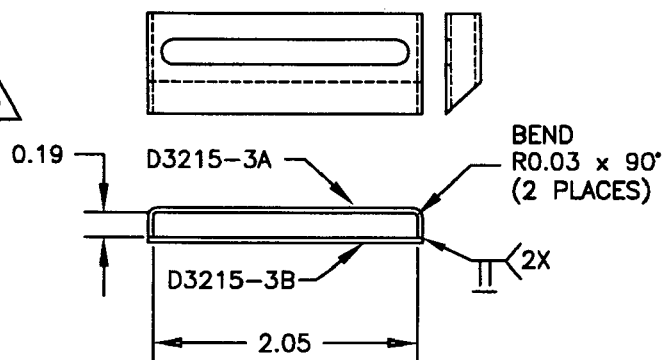
07.06.07 *[Signature]*

GENERAL NOTES:

- 1) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

D3215-3 NOTES:

- 1) WELD PER DART QSI 004
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT BLACK SANDEX (4.3.5.7)
PER DART QSI 005 4.3



D3215-3 WEBBING TIDY

Copyright © 2003 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO31264

Purchase Order Date 2/4/2016 2:33:58 PM

PO Print Date 2/8/2016

Page Number 1 of 2

Order From :

VC-TUL001

Ship To : DART AEROSPACE LTD

TULMAR SAFETY SYSTEMS
1123 CAMERON ST
HAWKESBURY, ON K6A 2B8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

FEB 08 2016

Contact Name

Vendor Phone 613 632 1282

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

REVISE

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	D3215-041P AS PER DWG D3215 REV. D B139637 TULMAR P/N: 8937	Harness Assembly	2/23/2016 Yes 2/23/2016		5.00 Each	\$20.44	\$102.20
Line Total:							\$102.20
3	D3215-043P AS PER DWG D3215 REV. D B139650 TULMAR P/N: 8938	Harness Assembly	2/23/2016 Yes 2/23/2016		3.00 Each	\$37.14	\$111.42
Line Total:							\$111.42

Note:

2/8/2016

PACKING SLIP

TULMAR

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, ON K6A 2B8
Tel: 613-632-1282
Fax: 613-632-2030
GST R132478223
MID : XOTULSAF1123HAW
email: info@tulmar.com

Packing Slip No. Page

56733 1

Ship Date

2/18/2016

Bill To:

Dart Aerospace

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace

1270 Aberdeen Street
Tel: 613-632-9577
Hawkesbury, ON K6A 1K7
Canada

Order number	Sales order date	Account number	Loc	Account manager
33634 -	2/8/2016	CDART100	H	Francine Bigras

PO number	Ship via	Shipping Terms
PO31264	Pick-Up	FOB HAWKESBURY

Item No.	Description	Quantity ordered	UOM	Qty Shipped/Returned	Quantity on back order
----------	-------------	------------------	-----	----------------------	------------------------

QA: A004 A005 A007 A016 A026 A027 A040
A041 A043

8937	Belt Ass'y, / 2" wide, Black Webbing Drawing No: D3215 (P/N D3215-041) DWG Rev: D Line 1	5.00	✓ EA	5.00	
------	---	------	------	------	--

Lot no.: BATCH0000000036

8938	Belt Ass'y, / 2" wide, black Webbing Drawing No: D3215 (P/N D3215-043) DWG Rev: D Line 2	3.00	✓ EA	3.00	
------	---	------	------	------	--

Lot no.: BATCH0000000027

2016-02-18

Certificate of Conformance

☒ See Certification Enclosed

I hereby certify that the items listed hereon have been inspected, and / or tested (as applicable), conform to all specifications and requirements detailed in the contract or purchase order. Objective evidence to support this statement is on file, and can be made available upon request.
If any questions or concerns, please contact QA Manager @ 613-632-1282 ext. 245.

Authorized Inspector

Romaine LaLiberte

Date:

FEB 18 2016

Belt-Tech Products Inc.

Certificate of Compliance No : 56 412

Page : 1 de 1

Date : 2010-10-22

Time : 13:31:04

Pattern : 27039

Width : 47.000

Dye lot No : 432674

Color : CG008 BLACK

Meters : 6 728.00

Warp Order :

Customer : TULMAR SAFETY SYSTEMS

Test Date : 2010/10/22

Nissan

Legend : Y = Good - Pass
N = Fail

Customer Part Number 18440-00

Test Method	Date	Type of Test	Min. Spec.	Max. Spec.	Median	Test 1	Test 2	Test 3
FMVSS 209	2009/10/01	Width - no load (mm)	46.000	48.000	47.930	47.840	47.970	47.930 Y
SAE J 882	2007/09/01	Thickness - original (mm)	1.140	1.400	1.175	1.185	1.175	1.175 Y
ASTM D-3775	2008/07/01	Picks per cm	7.000		7.200	7.200	7.200	7.200 Y
FMVSS 209	2009/10/01	Elongation - @ 11.1 kn load (%)		20.000	6.310	6.310	6.120	6.640 Y
FMVSS 209	2009/10/01	Tensile - original (lbs)	6,700.000		7,167.000	7,167.000	7,086.000	7,182.000 Y
FMVSS 209	2009/10/01	Tensile - hex-bar % of original	75.000		91.700	91.500	91.900	91.700 Y
AATCC TM 8	2007/01/01	Crocking "wet"	3.000		4.000	4.000	4.000	4.000 Y
AATCC TM 8	2007/01/01	Crocking "dry"	3.000		4.500	4.500	4.500	4.500 Y
AATCC TM 107	2009/01/01	Dye stability (staining) *	3.000		4.500	4.500	4.500	4.500 Y

Specification(s) :

FMVSS 209 revised on 2008-10-01

FMVSS 302 revised on 2008-10-01

Comment(s)

cl's used to mfg. D3215-041 + D3215-043 Rev. D

Lenaire Laliberté (cc)

Feb. 17/10.

SP 16-02-18

This is to certify that this product conforms to the specification(s) mentioned above and the requirement(s) outlined in the Purchase Order # and was tested at 22 ± 3°C temperature and 45-55 % relative humidity.

Not applicable for downgraded (second) material

If this document is not signed, it is to be regarded as a non-controlled version

Tested by :

[Signature]

Approved by :

[Signature]

4.10-1403E (2010-03-31)

TS # 2281/12 (5)



Belt-Tech Products Inc.

386 Dorchester Street

Granby, Québec

J2G 3Z7

*** Tel: (450) 372-5826 ***

*** Fax: (450) 372-4179 ***

October 16th 2007

Tulmar Safety Systems Inc.
1123 Cameron Street
Hawkesbury, Ontario
K6A 2B8

Attention to Sandra Nadeau

- By this letter, we certify that our pattern 27039/47, in all colors, meets the flammability specification of 102 mm/minute maximum of FMVSS 302 and 2.5"/minute maximum of FAR 25-853A.

Best regards,


Lyne Renaud
Quality Control Manager

TSS 2281



cansew inc.

formerly / anciennement
Canadian Sewing Supply Ltd. / Ltée - established / établie 1924

Manufacturers of sewing threads. / Wholesalers of elastics, Velcro, tapes, trimmings.
Fabricants de fils à coudre. / Grossistes d'élastiques, Velcro, galons, garnitures.

20 October 2008

Tulmar Safety Systems
1123 Cameron Street
Hawksbury, Ontario
K6A 2B8

Att. Sandra Nadeau

CERTIFICATE OF COMPLIANCE

This is to certify that the items mentioned below, shipped to Tulmar Safety Systems by CANSEW INC. on 20 October 2008, have been produced in accordance with the requirements of Purchase Order no. 14929-00 of the same date:

-Bonded Nylon CBB92 - 35.18 lb, colour OG-107, lot # 748348, meeting the requirements of specification V-T-295, Type 2, Class A, Size F

*-Bonded Nylon CB207 - 19.96 lb, colour black, lot # 656160, meeting the requirements of specification V-T-295, Type 2, Class A, Size 3, 3 ply

Yours truly,


Hershie Schachter
CANSEW INC.

MONTREAL - Head Office/Siège social
111 Chabanel W / O H2N 1C9
Administration (514) 382-2807
Commandes/Orders (514) 382-2801
1-800-361-7722
FAX: (514) 385-5530

TORONTO
28 Apex Rd. M6A 2V2
(416) 782-1122
1-800-387-8584
FAX: (416) 782-8358

WINNIPEG
1674 Church Ave R2X 2W9
(204) 942-4264
1-800-665-0701
FAX: (204) 947-9280

CALGARY
3932 - 29th St. N.E. T1Y 6B6
(403) 291-4494
1-800-667-4197
FAX: (403) 291-5139

VANCOUVER
1615 Venables St. V5L 2H1
(604) 682-4341
1-800-580-0737
FAX: (604) 682-4196

info@cansew.ca

www.cansew.ca

TSS # 2525/42

(S)

TULMAR**Certificate of Conformance**

Tulmar P/N 2530	Description TYWAS, Nylon, Bush, A-A-56826, TY7, CUA, Sq = F, Quality Clause: G10, Country of Origin: USA, MD C00192	Dwg #	Revision	Qty 40 Spl
Tulmar PO # 27000-00	Line Item # 1	Supplier Name / Address CANSEW INC, 111 Chabanel West, Suite 101, Montreal, Que., H2N 1C9	Supplier Packing Slip # H66082	

Supplier Declarations:

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods : USA		if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☐ NO ☒
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com

Additional Information (MRS#, MRA#, limitations, etc...):

--

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name Hershie Schachter	Date (DD-MMM-YYYY) 28-Jan-2014
Title President	Email hershie@cansew.ca	Phone # (514) 382-2807

Form Revision 13 Aug 2012

2530/53 

TULMAR**Certificate of Conformance**

Tulmar P/N 22019-001	Description 25KAMSAFE - INCLUDES 2360NWT & HS1111 INK IMPRINTED ONE-SIDE, 1-3/8" WEB	Dwg #	Revision	Qty 1
Tulmar PO # 26289-00	Line Item # Supplier Name / Address Avery Dennison RBIS/ 950 German St. Lenoir, NC 28645 USA	Supplier Packing Slip # AVY-8494793		

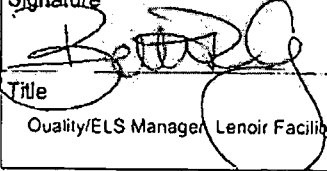
Supplier Declarations:

Hazardous Materials Acknowledgement	The items described below may contain, and their processing may have included, the following substances:	Hexavalent Chromium; Cadmium; Beryllium; Nickel; Mercury; Lead; Asbestos; Radioactive elements YES ☐ NO ☒
Country of Origin of Goods :	Japan	if YES, please complete the HazMat Acknowledgement form @ www.tulmar.com
Limited Shelf-Life	<u>Definition:</u> If material is consumed or transformed into final product before end of shelf-life there is no effect on final product.	These items have a limited Shelf-Life YES ☒ NO ☐ if YES, please complete the Time Expired - Shelf-Life questionnaire @ www.tulmar.com
Expiry date	<u>Definition:</u> Date after which performance will no longer be as intended - expiration is transferred to the final product.	These items have an expiry date YES ☐ NO ☒

Additional Information (MRS#, MRA#, limitations, etc...):

Shelf life is 2 years from date of Manufacture.

I hereby certify that the goods listed hereon have been inspected and/or tested, as applicable, and conform to all specifications and requirements detailed in the contract or purchase order and relevant quality clauses. Objective evidence to support this statement is on file and can be made available upon request. Should further information be required, please contact:

Signature 	Name Bethany Covey	Date (DD-MMM-YYYY) 16-OCT-2013
Title Quality/ELS Manager Lenoir Facility	Email bethany.covey@averydennison.com	Phone # 828-758-2338

Form Revision 13 Aug 2012

22019-001/07